

Title (en)  
DEVICE AND METHOD FOR GENERATING STIMULATED EMISSION OF MICROWAVE OR RADIO FREQUENCY RADIATION

Title (de)  
VORRICHTUNG UND VERFAHREN ZUR ERZEUGUNG EINER STIMULIERTEN EMISSION EINER MIKROWELLEN- ODER  
FUNKFREQUENZSTRAHLUNG

Title (fr)  
DISPOSITIF ET PROCÉDÉ DE GÉNÉRATION D'UNE ÉMISSION STIMULÉE D'UN RAYONNEMENT MICRO-ONDE OU RADIOFRÉQUENCE

Publication  
**EP 2856582 A1 20150408 (EN)**

Application  
**EP 13725742 A 20130524**

Priority  
• GB 201209246 A 20120525  
• GB 2013051385 W 20130524

Abstract (en)  
[origin: WO2013175235A1] A device for generating stimulated emission of microwave or radio frequency electromagnetic radiation, the device comprising: a resonator structure; an input source of microwave or radio frequency electromagnetic radiation to be amplified; and an input of energy arranged to pump the resonator structure and thereby cause amplification of the electromagnetic radiation; wherein the configuration of the resonator structure and/or the materials used in its construction give rise to an increase in the magnetic Purcell factor of the resonator structure. Corresponding methods for generating stimulated emission of microwave or radio frequency electromagnetic radiation are also provided.

IPC 8 full level  
**H01S 1/00** (2006.01); **G01R 33/343** (2006.01); **H01P 7/10** (2006.01)

CPC (source: EP US)  
**G01R 33/343** (2013.01 - EP US); **H01P 7/08** (2013.01 - EP US); **H01S 1/02** (2013.01 - EP US); **H01S 4/00** (2013.01 - US)

Citation (search report)  
See references of WO 2013175235A1

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BA ME

DOCDB simple family (publication)  
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